

Fig. 1

0	0MSTVSGLKRPQSSEKNHRDRVFVRATRGKVQKVVREQYLRNDIPCQSRACPLCRS	0MSVPAIAPHRKRLADGLSVTQKVFVRSRNGGATKIVREHYLRSDIPCLSRSCTKCPQ				O MSKNSNVNNNRSQEPNNMFVQTTGGGKNAPKQIHVAHRRSQSELTNLMIEQFTLQKQLEQVQAQQQQLMA	0MVVRRKVHVLLIARSFHSYTPCFRVTTRGKRQRSKSKQQAKVELDHTRELDNDQA		40GAHEGPALEPQPQDPASSVCPQPHYLLPDTWVLLDQIDVLEDP-AIRNVIVLQTVLQEVRNRS	40GAHAGPALBLQPRDQASSLCPWPHYLLPDTNVLLHQIDVLEHP-AIRNVIVLQTVMQEVRNRS	51DFGTNPLLKIENPVRNAKVGRHALIVDSTSLIRFYDLFDSS-LLRDLIVTQTVWEGVKAKA	KL	IVVPDAQNELPKFILSDSPLELSAPIGKHYVVLDTNVVLQAIDL	0MNHPDYKLNIRSPGTPRGVSSVV		O	0MDLKPNIRRKEKR-NLLKGEAALEKKGSIDRKTKNKAYPSTTHDPHQNDDSNIPGLGSGLLERI	70 QQQQLAQQTGQYI,SGNSGSNNHFTPQPPHPHYNSNGNSPGMSAGGSRSRTHSRNNSGYYHNSYDNNNNSN	55 TETVVDRSVGPEKDIESIN-KDFLQRTKGLEPDIELKQLPQIKQEFNQRYKDRYVKPSEDMYVNSWRSLT	 71 81 91 101 111 121 131
HS-HMC-Dis3 MM-hmc-Dis3	SP-P37202-Dis3	sc-Q08162-Dis3	MM-LOBO	0401-64 0401-89500-45	SP-Z99259	SC-P24276-SSD1	SC-P39112	Fig.	HS-HMC-Dis3	MM-hmc-Dis3	CE-017632-Dis3	SP-P37202-Dis3	SC-008162-Dis3	MM-LOBO	HS-LOBO	CE-209568-LOBO	SP-299259	SC-P24276-SSD1	SC-P39112	,

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TNELHRETY	THVHHKETY	MNEFHCETE	SNEFFVDTF	HNEFSEHTE	SIFETYMSK	1 1 1 1 1 1	KIFTEYISK	ASLTETKTE	GVTVKIDSV	Pnpmefopv		191			1 1 1 1 1 1 1	1 1 1 1 1 1 1		1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<b>SKTRINNEY</b>			797
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IRDVINNOE	-YKRIRDVTNNQEK	MNSICYRDA	MKRLCQEKT	LRTLCRDSD	ASPGDKKSK		ONANI	PTDTQLKGQI	<b>AKKAAAEEQ</b>	PLYKL INSDI		171	QN	ND	SQ	ga	NDRLM	3VV-A		30D	KNLES	NSHGDINDDEF	JT		241
YKR	YXR	YKK	XNR	YTR	AVG			VQR	SRRHSLGLME	KI		161	RAIRVAAKWYNEHLKKMSADNOLOVIFITND-	DSQLQVILIT	ELLLSTALYLKTHWQKHNVA-PVVLVFDEDS	KIVLLT	RAIRKTCOMYSEHLKPYDINUVLVTNDRLN	GDRDIPID		GVLR INPKNYQECFLDHPKGTNHPDVLVLGQD-	EKISKSSK-QDEHKTDVHKESVSKLSKNLES	LSPPSFKFPP	KMRPNELAMCVSLPSSTMDPRYTFVTTDGF		231
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APV	API	VPA	IPL	YPV	GPS		KP	KDI	NPĆSNSHRK	KP		141	RAIRVAAKW	RAIRVAAKW	ELLLSTALY	RAIRNAASW	RAIRKTCOW	GVLRINPKK		GVILRINPKN	EKISKSSK-	FKFPPPPNA	LKMRPNELA		211
102	102	111	122	125	23	0	16	63	140	124			146	146	155	166	171		٥	54	107	210	169		
HS-HMC-Dis3	MM-hmc-Dis3	CE-Q17632-Dis3	SP-P37202-Dis3	SC-Q08162-Dis3	MM-LOBO	HS-LOBO	CE-009568-LOBO	SP-Z99259	SC-P24276-SSD1	SC-P39112			HS-HMC-Dis3	MM-hmc-Dis3		SP-P37202-Dis3	SC-008162-Dis3	MM-LOBO	HS-LOBO	CE-009568-LOBO		SC-P24276-SSD1	SC-P39112		
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SC-Q08162-Dis3 264 MGGLKNGVLYQGNIQISEYNPLEGSVSLP---RFSKPVLIVGQKNINRAFNGDQVIVELLPQS-EWKAPS

Fig. 2c

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	SLSSPTKSGVRRSSLKQRPTQKKNDDVEVEGQSLLLVEEERINDKYKPLYAGHVVAVLDRIPEKBAEISKIVTRARVVAIEKRAEISKIVTALLSPISVTIIPLKSQHLYYAQV	-GMLSKSDIKERRIIVAIDGW -GMLSKSDIKERRIIVAIDGW -GMLSKSDIKERRIIVAIDGW -GMLLPSTVKGQRIVVAIDHW -GHUDNATIAQSKGGSQQTVLLTPMDRRVPKIRFRTRQAPRLVGRRIVVAIDLW -GQLAPSSVDP-QSSSTQNVFVILMDKCLPKVRIRTRRAABLLDKRIVISIDSW -KYALFSPSDHRVPRIYVPLKDCPQDFMTRPKDFANTL	-PNVLEVATDSYTAKITDW -GILRAPGWSIKNVEYVSKKSSYAIFIPKDKRLPFITTHKNDLSDLSGENWIENILKHHDQLFSVEITTW LGLLRAPGWSIKNVEYVSKKSSYAIFIPKDKRLPFITTHKNDLSDLSGENWIENILKHHDQLFSVEITTW LGLLRPSQQANSDNNKPPQSPKIAWFKPTDKKVPLIAIPTELAPKDFVENADKYSEKLFVASIKRW IEKLEAN-SYREVNKFVKLVNERKYRDISALYPSVIQLIKDFAAGNFHNNGIIVA
340 340 349 358 387 244	0 292 292 488 365	357 365 366 375 404 261	
HS-HMC-Dis3 MM-hmc-Dis3 CE-Q17632-Dis3 SP-P37202-Dis3 SC-Q08162-Dis3	HS-LOBO CE-Q09568-LOBO SP-Z99259 \$C-P24276-SSD1 SC-P39112	HS-H MM-h CE-Q176 SP-P372 SC-Q081	AS-LOBO CE-009568-LOBO SP-299259 SC-P24276-SSD1 SC-P39112

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PRNSRYPNGHFVRNLGDVGEKETETEVLSLEHDVPHQPFSQAVLSFLPKMPWSTTEKDM PRNSRYPNGHFVRNLGDVGEKETETEVLLLEHDVPHQPFSQAVLSFLPRMPWSTTEEDM PRDSKYPLGHYVRSIGEMGSRETENEVLLLEHDIPHAPFSESVLDCLPREEWEPDLTENRG DASSRYPEGHFVRDLGEMETKEAETEALLLEYDVQHRPFPKAVLDCLPEE-GHNWKVPADKTH PTTHKYPLGHFVRDLGTIBSAQAETEALLLEHDVEYRPPSKKVLECLPAE-GHNWKAPTKLDDPEAVSKD	RAESVYADGRLVKLIGMSGEIDTETERIVYEHQIDHREFSDECLESLPITTAENWKVPDAEF SIYSRYPMGVLGEKLGNITDVEAYTWALLLENGISSSPPSDEVLNCLPPDDWIISHEEI PITSLHPFGLLVSBLGDIHDPDTBIDSILRDNNPLSNEYLDQKNPQKERPSFQPLPLTARSL LISKIFRKIERYKDCDITRDICQDLINEITPNSIPNPLLLNMDLALPASSKLVKWQQKLYDLTWIELQW	REDLRHLCICSVDPPGCTDIDDALHCRELENGNLAVGVHIADVSHFIRLGRAALDQEREDLRHLCVCSVDPPGCTDIDDALHCRELSNGNLEVGVHIADVSHFIRPGNALDQERVDLRDLTICSVDPLGCTDIDDALHCKQIGEDLPEVGVHIADVTHFVRPGTAIDDE KNRKDPRDKLICSIDPPGCQDIDDALHACVLPNGNWEVGVHIADVTHFVKPNTSMDSE ATKRKDLRDKLICSIDPPGCVDIDDALHAKKLPNGNWEVGVHIADVTHFVKPNTSMDSE ATKRRDLRKDCIFTIDPSTARDLDDALACRRLTDGNWEVGVHIADVSYFVPEGSSLDKV	TC/ TE/ TC/
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22SARRGTTVYLCEKRIDMVPELLSSNLCSLKCDVDRLAFSCIWEMNHNAEILK	22SARGTTVXLCEKRIDMVPBLLSSNLCSLRSNVDRLAFSCIWEMNHNAEILK	34AALRGTTVYLCDRRIDMLPCLLSSNLCSLRGEERYAFSCIWTWTSSADIQS	551AASRGTTVYLVDKRIDMLPMLIGTDLCSIRPYVERFAFSCIWEMDENANIIK	86GAARGTSVYLVDKRIDMLPNILGTDLCSLKPYVDRFAFSVIWELDDSANIVN	24AAERATSVYLVQKVVPMLPRLLCEELCSLNPMTDKLTFSVIWKLTPEGKILE	51aarrayi,uokwymi,prij,crricsi,npmsdxi,trsvimti,tprgrij,d
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628 I 628 I	CE-017632-Dis3 641 LTLASSEVRFDMDWESRTPKKVMEKQHLDTHSMVEEFMLLANISVAEKILBEYPDCALLRRHPVPLKESY SP-P37202-Dis3 658 INLASPEVRIQTDNETSDPMDVEIKQLLETNSLVEEFMLLANISVAQKIYDAFPQTAVLRRHAAPPLTNF SC-008162-Dis3 693 INLASPEVKVHMDSETSDPNEVEIKKLLATNSLVEEFMLLANISVARKIYDAFPQTAMLRHAAPPSTNF	546 I 173 I 485 I 617 V 849 A	HS-HMC-Dis3 698 EILVKAARS-RNDEIKTDTAKSLAESLDQAESPTPPYLNTLLRILATRCMQAVYFCSGMD	698 D 711 K 728 D	763 E 616 S 243 S	554 KDVAEQCAR-IGPPLDGRTSGLLSTSLRKYQGKSRLDMCIRQ 686 NEFCHFLKS-MNFDFDASSSAAFNASMVRLRSTFNERLVB	SC-P24276-SSD1 919 ASFRKKIQN-FGYNFDINTADELIKGVLKIKDIDVKVGIELLLFRIMPHARYFIAGKVD SC-P39112 764 GGVFRCYKQLPLGEVAQQQYDSMITSTKKGIPPKIKDIVKLSSLINSSFYTGRPFR	981 991 1001 1011 1021 1031 1041
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33 758	33 758	778 EEKKFFVLKTINIPYRSCLCDDTETSIHLSRGINDYFLFKKEKLHMSVGVLFKLFDCLGTVPVPQ				30 307	30 616	59 749	11 977YGHYA	12 820		1051 1061 1071 1081 1091 1101 1111		765 17	1 165 14	848 LA	798 LA	833 17	E88 L	315 LA	625 LA	756 LS	385 LA	2 823 IGAKQYLTVTSPLRRFPDLINHLQIHRHLQKKPLCFNQTQIDSLIWPIQSRADILKRASRNSSTYWT	1121 1131 1141 1151 1161 1171 1181
HS-HMC-Dis3	MM-hmc-Dis3	CB-Q17632-Dis3	SP-P37202-Dis3	SC-008162-Dis3	MM-LOBO	HS-LOBO	CE-009568-LOBO	SP-Z99259	SC-P24276-SSD1	SC-P39112	-	F	=i;	HS-HMC-Dis3	MM-hmc-Dis3	CE-017632-Dis3	SP-P37202-Dis3	SC-008162-Dis3	MW-LOBO	HS-L0B0	CE-009568-LOBO	SP-Z99259	SC-P24276-SSD1	SC-P39112	

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HS-HMC-Dis3	835 QLFFKSKGIVSEEATLLFVKKNALVVLLFKYGIEGTVFFEEKDKPVLLI
MM-hmc-U1S3	833 QHKFASKGTVSEEATLEFVKKINALVVLIPRYGLEGIVFFEENDNFRFKLGA
CE-017632-Dis3	918 VRYFKGKVETCEGFVMGVRNINGIQVFVPKYGLESIIVLQTSAASGTT
SP-P37202-Dis3	GQALKGG
SC-008162-Dis3	903 GOVMRINNESTETGYVIKVENINGIVVLAPKFGVEGLIRLDNLTEDPINS
MM-LOBO	
HS-LOBO	383 AVLVKESGPLESEAMVMGILKQAFDVLVLRYGVQKRIYCNALALRSHHPQ
CE-009568-LOBO	693 CVFIHQTGPMKCQAVVLGVMDLSFDVLIVEYGVVKRVYVDKMKRDFN

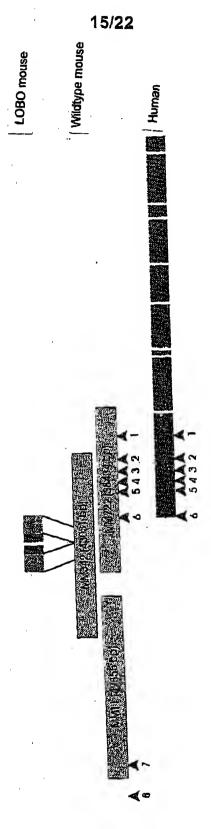
Fig. 2k

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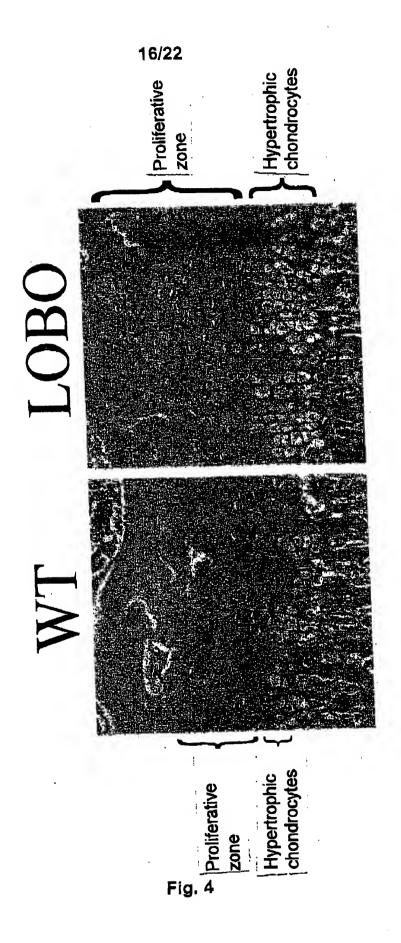
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NMDLN	DKALT	DFDLS	COLTEN	ELLLK-	LEK	HLGPEKEEE	-LEQRNILKS	CSTAS	TSTTETRIE		1341
935 IPTDTSNMDLNGPKKKKMKLGK	935 IPPNVA	1016 V	962 KVQITLVY	994 KAELLLK	853 ILKRPGLEKASDEEPED	480 ILKRPGTQGHLGPEKEEESDGEPEDSSTS	TIVRPSLEQRNILKSTLKDMKETGSTILQ	R	DNKQNALEKI		1331
935	935	1016	962	994	853	480	788	919	1190		
HS-HMC-Dis3	MM-hmc-Dis3	CE-017632-Dis3	SP-P37202-Dis3	SC-208162-Dis3	MM-LOBO	HS-LOBO	CE-009568-LOBO	SP-Z99259	SC-P24276-SSD1		

Fig. 2m



And Then then then it not been than the

Fig. 3



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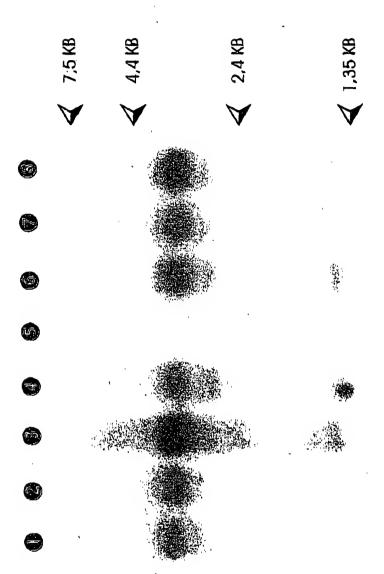


Fig. 5

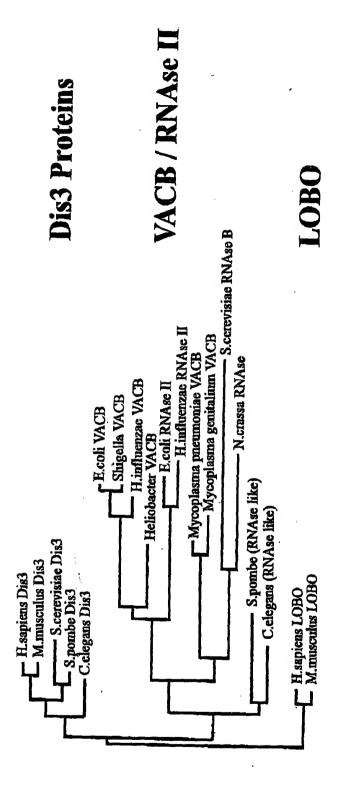
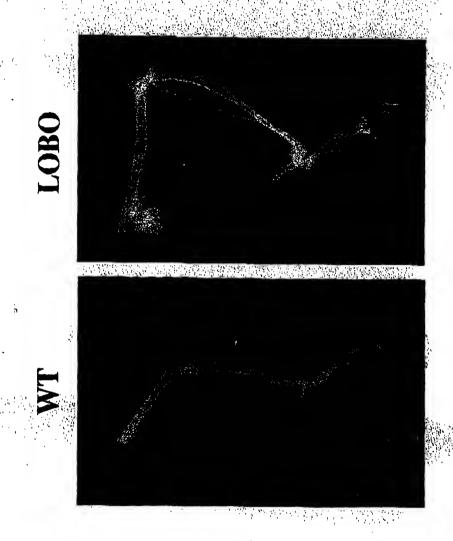


Fig. 6

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Fig. 7



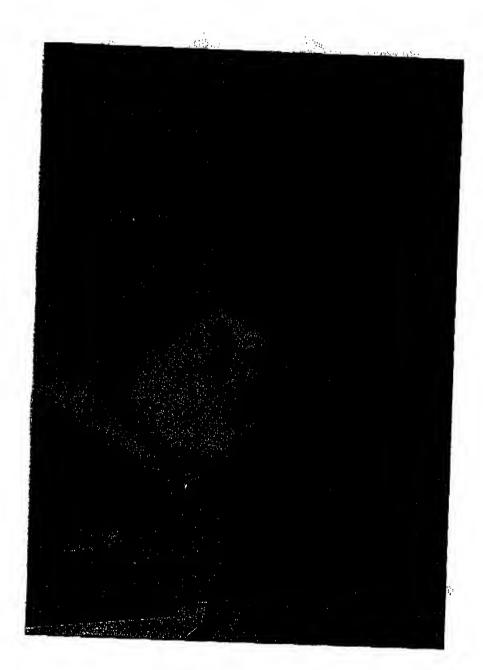


Fig. 8

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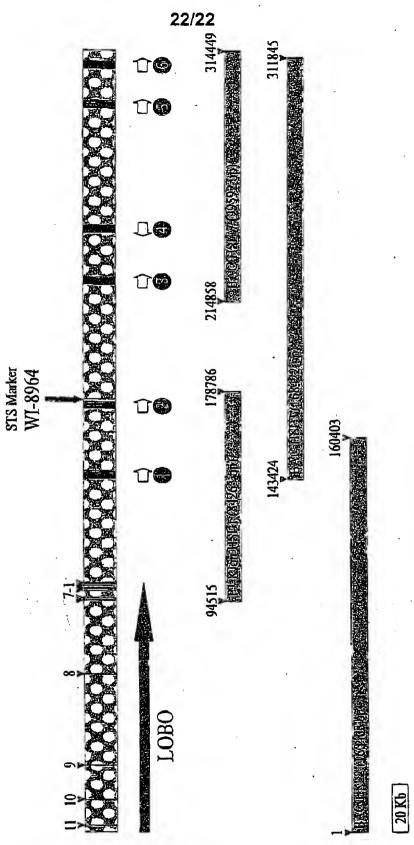


Fig. 10